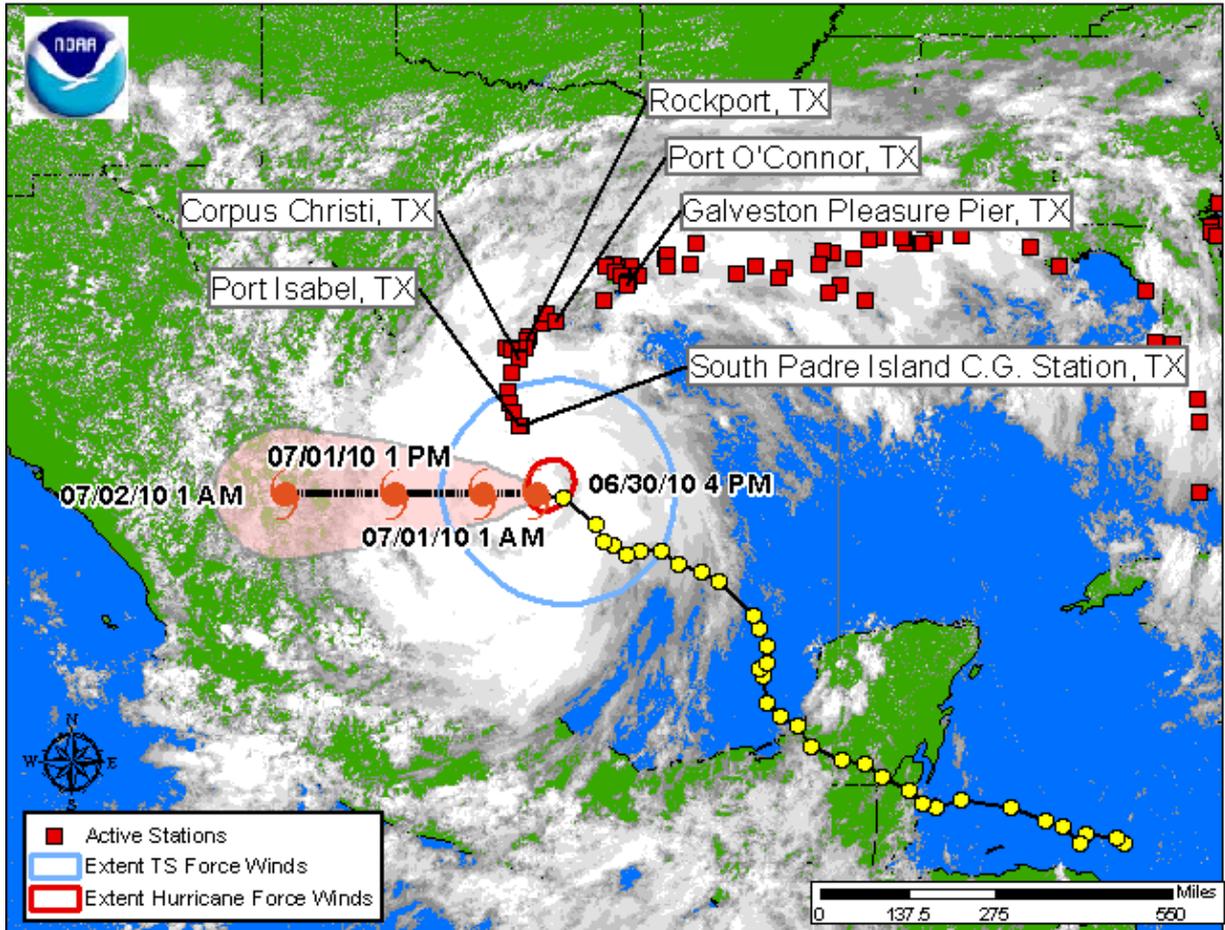




Hurricane ALEX QuickLook
Posted: 17:00 CDT 06/30/2010

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 06/30/2010 17:00 CDT, water levels along the Texas coast are increasing and range between 1.0 and over 3.0 feet above predicted. Winds are also increasing, with gusts between 19-38 kts being recorded. Barometric pressure continues to fall at locations close to US/Mexico border.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Port Isabel, TX: Next predicted high tides are 1.00 ft (0.31 m) at 07/01/2010 09:09 CDT and 0.94 ft (0.29 m) at 07/02/2010 09:03 CDT.

South Padre Island C.G. Station, TX: Next predicted high tides are 0.84 ft (0.26 m) at 07/01/2010 08:58 CDT and 0.78 ft (0.24 m) at 07/02/2010 08:56 CDT.

Corpus Christi, TX: Next predicted high tides are 1.23 ft (0.37 m) at 07/01/2010 07:57 CDT and 0.79 ft (0.24 m) at 07/01/2010 17:45 CDT.

Rockport, TX: Next predicted high tides are 0.19 ft (0.06 m) at 06/30/2010 18:31 CDT and 0.14 ft (0.04 m) at 07/01/2010 12:41 CDT.

Port O'Connor, TX: Next predicted high tides are 0.41 ft (0.12 m) at 07/01/2010 12:29 CDT and 0.34 ft (0.10 m) at 07/02/2010 11:20 CDT.

Galveston Pleasure Pier, TX: Next predicted high tides are 1.13 ft (0.34 m) at 06/30/2010 17:41 CDT and 1.74 ft (0.53) at 07/01/2010 08:13 CDT.

Sabine Pass North, TX: Next predicted high tides are 1.41 ft (0.43) at 07/01/2010 08:27 CDT and 1.00 ft (0.30) at 07/01/2010 06:42 CDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLook Homepage](#).

Analyst:KG

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

**HURRICANE ALEX ADVISORY NUMBER 21
400 PM CDT WED JUN 30 2010**

...ALEX HEADING TOWARD NORTHEAST MEXICO WITH 90 MPH WINDS...

WATCHES AND WARNINGS

A HURRICANE WARNING IS IN EFFECT FOR...

- * THE COAST OF TEXAS SOUTH OF BAFFIN BAY TO THE MOUTH OF THE RIO GRANDE**
- * THE COAST OF MEXICO FROM THE MOUTH OF THE RIO GRANDE TO LA CRUZ**

A TROPICAL STORM WARNING IS IN EFFECT FOR...

- * THE COAST OF TEXAS FROM BAFFIN BAY TO PORT OCONNOR**
- * THE COAST OF MEXICO SOUTH OF LA CRUZ TO CABO ROJO**

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS PLEASE... MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE. FOR STORM INFORMATION SPECIFIC TO YOUR AREA OUTSIDE UNITED STATES...PLEASE MONITOR PRODUCTS ISSUED BY YOUR NATIONAL METEOROLOGICAL SERVICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 400 PM CDT THE EYE OF HURRICANE ALEX WAS LOCATED BY A RECONNAISSANCE AIRCRAFT AND NATIONAL WEATHER SERVICE RADAR FROM BROWNSVILLE NEAR LATITUDE 24.5 NORTH...LONGITUDE 96.8 WEST. ALEX HAS INCREASED ITS FORWARD SPEED AND IS MOVING TOWARD THE WEST NEAR 13 MPH. THIS GENERAL MOTION IS EXPECTED TO CONTINUE UNTIL LANDFALL IN NORTHEASTERN MEXICO TONIGHT.

MAXIMUM SUSTAINED WINDS HAVE INCREASED TO NEAR 90 MPH...WITH HIGHER GUSTS.

ALEX IS A CATEGORY ONE HURRICANE ON THE SAFFIR-SIMPSON HURRICANE WIND SCALE. SOME ADDITIONAL STRENGTHENING IS POSSIBLE DURING THE NEXT FEW HOURS BEFORE LANDFALL. A GRADUAL WEAKENING IS FORECAST AFTER THE CENTER CROSSES THE COASTLINE.

ALEX IS A LARGE CYCLONE AND HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 70 MILES...FROM THE CENTER...AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 205 MILES PRIMARILY TO THE NORTHEAST OF THE CENTER. A MEXICAN NAVY AUTOMATED STATION IN MATAMOROS JUST REPORTED A WIND GUST OF 64 MPH.

LATEST MINIMUM CENTRAL PRESSURE REPORTED BY AN AIR FORCE RECONNAISSANCE AIRCRAFT WAS 959 MB.

HAZARDS AFFECTING LAND

**-----
RAINFALL...ALEX IS EXPECTED TO PRODUCE TOTAL RAINFALL ACCUMULATIONS OF 6 TO 12 INCHES OVER PORTIONS OF NORTHEASTERN MEXICO AND SOUTHERN TEXAS...WITH ISOLATED MAXIMUM AMOUNTS OF 20 INCHES. THESE RAINS COULD CAUSE LIFE-THREATENING FLASH FLOODS AND MUD SLIDES... ESPECIALLY IN MOUNTAINOUS TERRAIN. THE BROWNSVILLE DOPPLER RADAR SHOWS NUMEROUS RAINBANDS ASSOCIATED WITH ALEX AFFECTING THE SOUTHERN TEXAS AND NORTHEASTERN MEXICO COASTS.**

WIND...HURRICANE CONDITIONS ARE EXPECTED TO REACH THE COAST WITHIN THE HURRICANE WARNING AREA TONIGHT. HOWEVER...TROPICAL STORM WINDS ARE ALREADY AFFECTING PORTIONS OF THE COAST.

STORM SURGE...A DANGEROUS STORM TIDE WILL RAISE WATER LEVELS BY AS MUCH AS 4 TO 6 FEET ABOVE GROUND LEVEL ALONG THE IMMEDIATE COAST TO THE NORTH OF WHERE THE CENTER MAKES LANDFALL. THE WATER COULD PENETRATE INLAND AS FAR AS SEVERAL MILES FROM THE SHORE WITH DEPTH GENERALLY DECREASING AS THE STORM TIDE MOVES INLAND. NEAR THE COAST...THE SURGE WILL BE ACCOMPANIED BY LARGE AND DESTRUCTIVE WAVES.

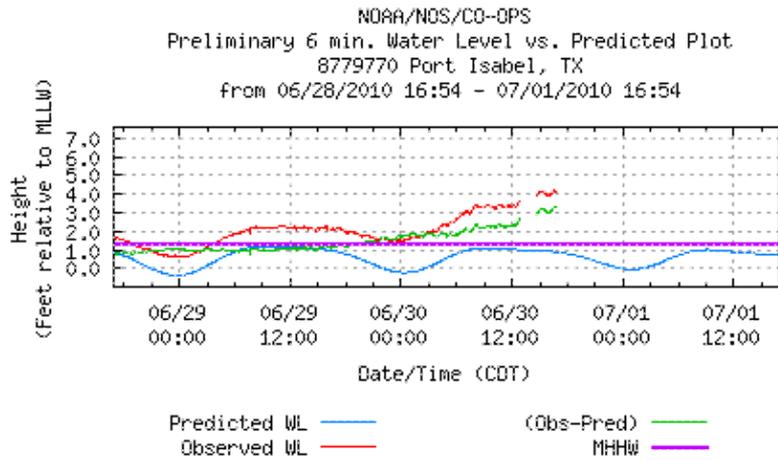
TORNADOES...ISOLATED TORNADOES ARE POSSIBLE OVER PORTIONS OF EXTREME SOUTHERN TEXAS TONIGHT.

FORECASTER AVILA

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

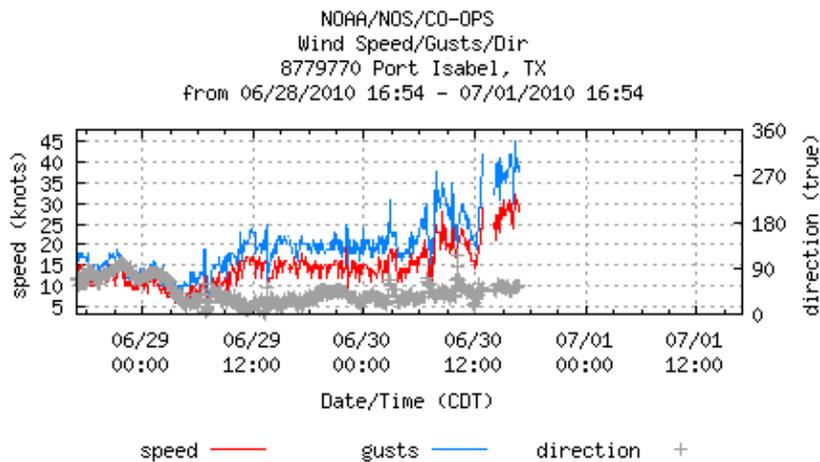
Jump to: [Port Isabel - Water Level](#), [Port Isabel - Winds](#), [Port Isabel - Barometric](#), [Port Isabel - Air/Water Temp](#), [South Padre Island C.G Station - Water Level](#), [Corpus Christi - Water Level](#), [Corpus Christi - Winds](#), [Corpus Christi - Barometric](#), [Corpus Christi - Air/Water Temp](#), [Rockport - Water Level](#), [Rockport - Winds](#), [Rockport - Barometric](#), [Rockport - Air/Water Temp](#), [Port O'Connor - Water Level](#), [Galveston Pleasure Pier - Water Level](#), [Galveston Pleasure Pier - Winds](#), [Galveston Pleasure Pier - Barometric](#), [Galveston Pleasure Pier - Air/Water Temp](#), [Sabine Pass North - Water Level](#), [Sabine Pass North - Winds](#), [Sabine Pass North - Barometric](#), [Sabine Pass North - Air/Water Temp](#).

Port Isabel, TX - [Return to List](#)



Last Observed Sample: 06/30/2010 16:42 (CDT)
Relative to **MLLW**: **Observed: 4.15 ft. Predicted: 0.89 ft. Residual: 3.26 ft.**
Historical Maximum Water Level: Aug 9 1980, 5.67 ft. above **MHHW**

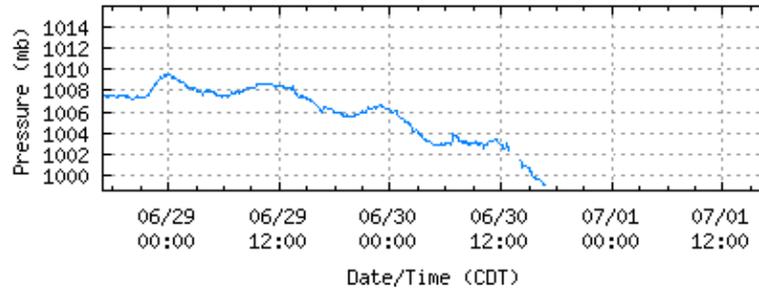
Port Isabel, TX - [Return to List](#)



Last Observed Sample: 06/30/2010 16:42 (CDT)
Wind Speed: 28 knots Gusts: 38 knots Direction: 054° T

Port Isabel, TX - [Return to List](#)

NOAA/NOS/CO-OPS
Barometric Pressure Plot
8779770 Port Isabel, TX
from 06/28/2010 16:54 - 07/01/2010 16:54



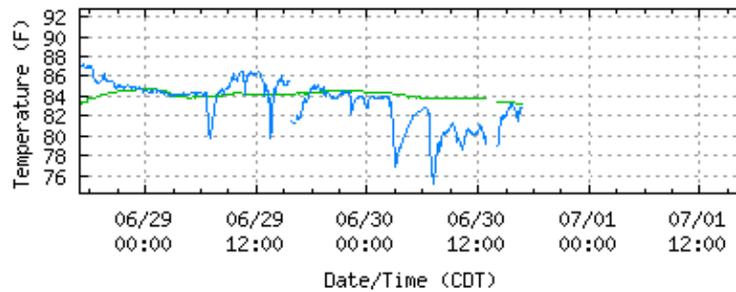
barometric pressure —

Last Observed Sample: 06/30/2010 16:42 (CDT)

Barometric Pressure: 999.2 mb

Port Isabel, TX - [Return to List](#)

NOAA/NOS/CO-OPS
Air/Water Temperature Plot
8779770 Port Isabel, TX
from 06/28/2010 16:54 - 07/01/2010 16:54

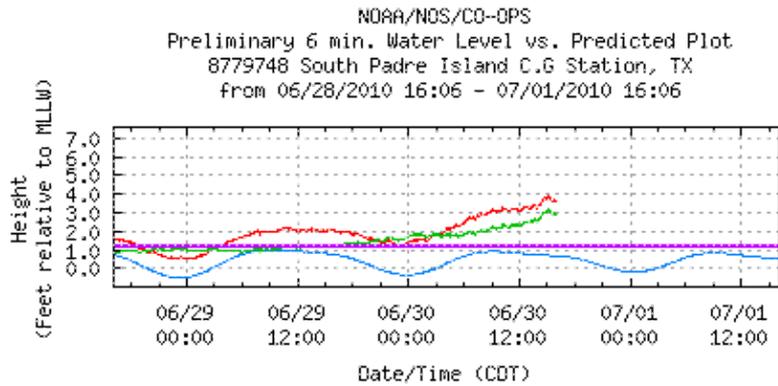


water temp. — air temp —

Last Observed Sample: 06/30/2010 16:42 (CDT)

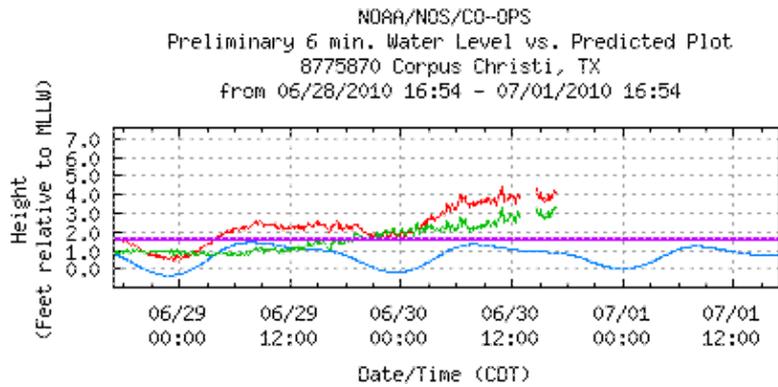
Water Temperature: 83.3° F Air Temperature: 82.9° F

South Padre Island C.G Station, TX - [Return to List](#)



Last Observed Sample: 06/30/2010 15:54 (CDT)
Relative to **MLLW**: **Observed: 3.62 ft. Predicted: 0.69 ft. Residual: 2.93 ft.**
Historical Maximum Water Level: , 0 ft. above **MHHW**

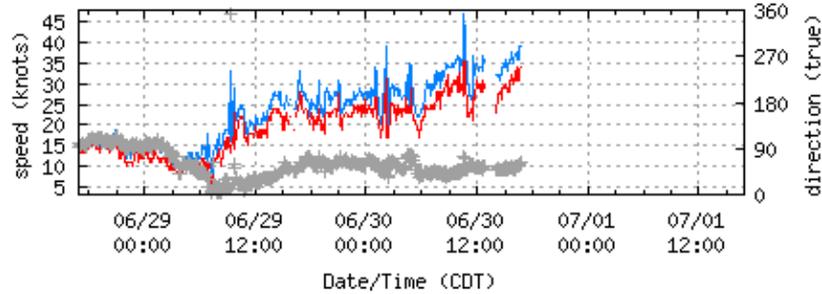
Corpus Christi, TX - [Return to List](#)



Last Observed Sample: 06/30/2010 16:42 (CDT)
Relative to **MLLW**: **Observed: 4.14 ft. Predicted: 0.89 ft. Residual: 3.25 ft.**
Historical Maximum Water Level: Sep 10 1998, 3.33 ft. above **MHHW**

Corpus Christi, TX - [Return to List](#)

NOAA/NDS/CO-OPS
Wind Speed/Gusts/Dir
8775870 Corpus Christi, TX
from 06/28/2010 16:54 - 07/01/2010 16:54



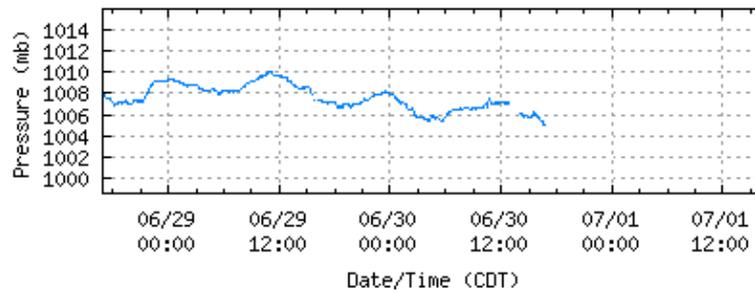
speed — gusts — direction +

Last Observed Sample: 06/30/2010 16:42 (CDT)

Wind Speed: 34 knots Gusts: 39 knots Direction: 063° T

Corpus Christi, TX - [Return to List](#)

NOAA/NDS/CO-OPS
Barometric Pressure Plot
8775870 Corpus Christi, TX
from 06/28/2010 16:54 - 07/01/2010 16:54



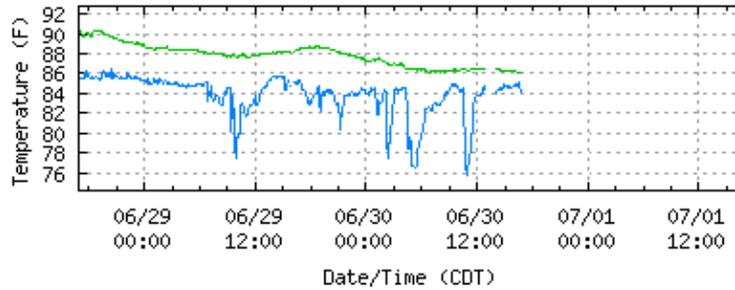
barometric pressure —

Last Observed Sample: 06/30/2010 16:42 (CDT)

Barometric Pressure: 1005.0 mb

Corpus Christi, TX - [Return to List](#)

NOAA/NOS/CO-OPS
Air/Water Temperature Plot
8775870 Corpus Christi, TX
from 06/28/2010 16:54 - 07/01/2010 16:54



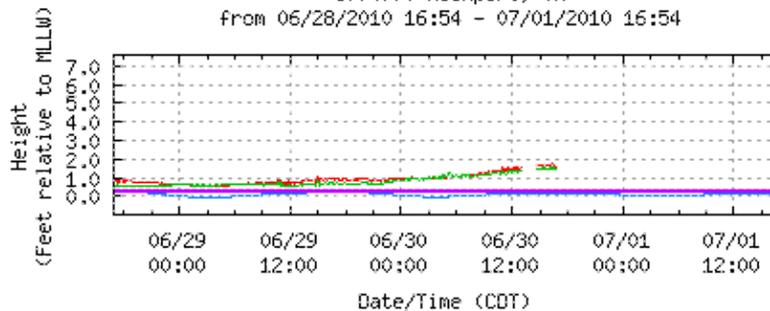
water temp. — air temp —

Last Observed Sample: 06/30/2010 16:42 (CDT)

Water Temperature: 86.0° F Air Temperature: 84.2° F

Rockport, TX - [Return to List](#)

NOAA/NOS/CO-OPS
Preliminary 6 min. Water Level vs. Predicted Plot
8774770 Rockport, TX
from 06/28/2010 16:54 - 07/01/2010 16:54



Predicted WL — (Obs-Pred) —
Observed WL — MHHW —

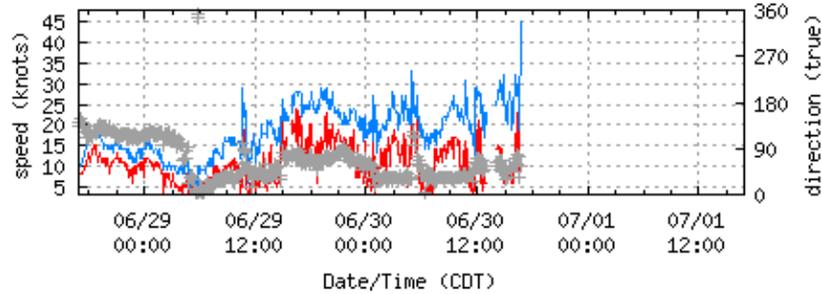
Last Observed Sample: 06/30/2010 16:42 (CDT)

Relative to **MLLW**: Observed: 1.60 ft. Predicted: 0.18 ft. Residual: 1.42 ft.

Historical Maximum Water Level: Aug 10 1980, 3.74 ft. above **MHHW**

Rockport, TX - [Return to List](#)

NOAA/NDS/CO-OPS
Wind Speed/Gusts/Dir
8774770 Rockport, TX
from 06/28/2010 16:54 - 07/01/2010 16:54



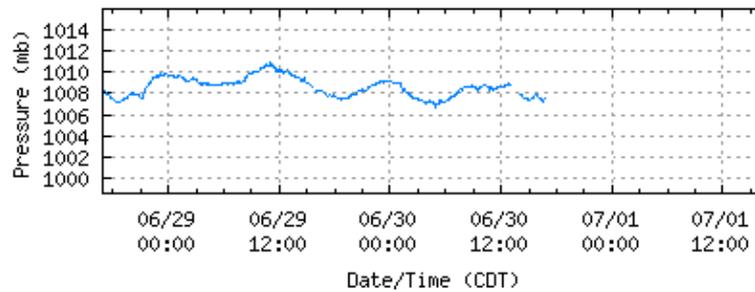
speed — gusts — direction +

Last Observed Sample: 06/30/2010 16:42 (CDT)

Wind Speed: 12 knots Gusts: 45 knots Direction: 054° T

Rockport, TX - [Return to List](#)

NOAA/NDS/CO-OPS
Barometric Pressure Plot
8774770 Rockport, TX
from 06/28/2010 16:54 - 07/01/2010 16:54



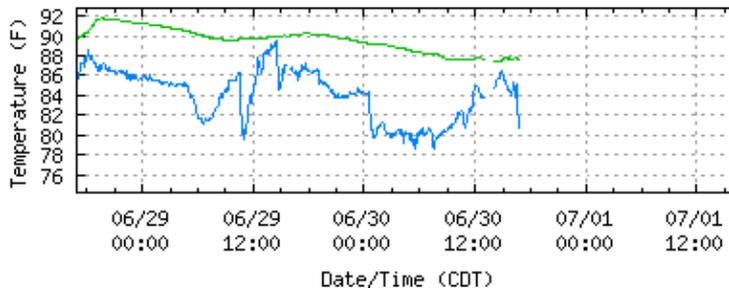
barometric pressure —

Last Observed Sample: 06/30/2010 16:42 (CDT)

Barometric Pressure: 1007.5 mb

Rockport, TX - [Return to List](#)

NOAA/NOS/CO-OPS
 Air/Water Temperature Plot
 8774770 Rockport, TX
 from 06/28/2010 16:54 - 07/01/2010 16:54



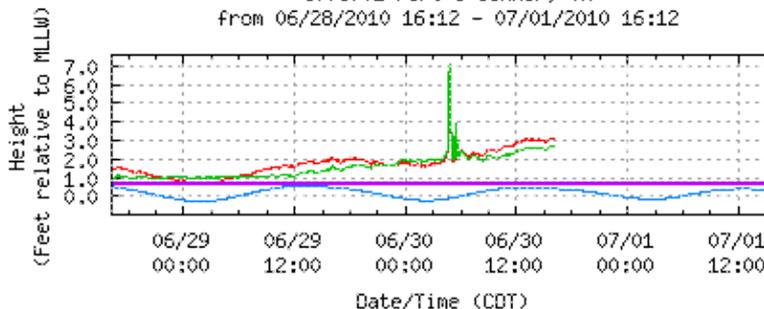
water temp. — air temp —

Last Observed Sample: 06/30/2010 16:42 (CDT)

Water Temperature: 87.6° F Air Temperature: 80.8° F

Port O'Connor, TX - [Return to List](#)

NOAA/NOS/CO-OPS
 Preliminary 6 min. Water Level vs. Predicted Plot
 8773701 Port O'Connor, TX
 from 06/28/2010 16:12 - 07/01/2010 16:12



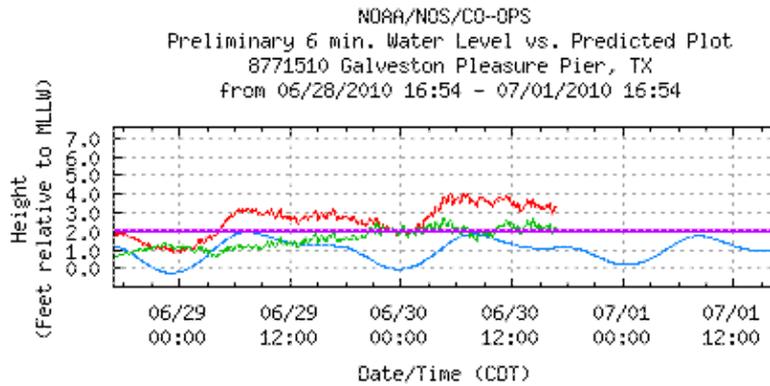
Predicted WL — (Obs-Pred) —
 Observed WL — MHHW —

Last Observed Sample: 06/30/2010 16:00 (CDT)

Relative to **MLLW**: Observed: 3.13 ft. Predicted: 0.41 ft. Residual: 2.72 ft.

Historical Maximum Water Level: , 0 ft. above **MHHW**

Galveston Pleasure Pier, TX - [Return to List](#)

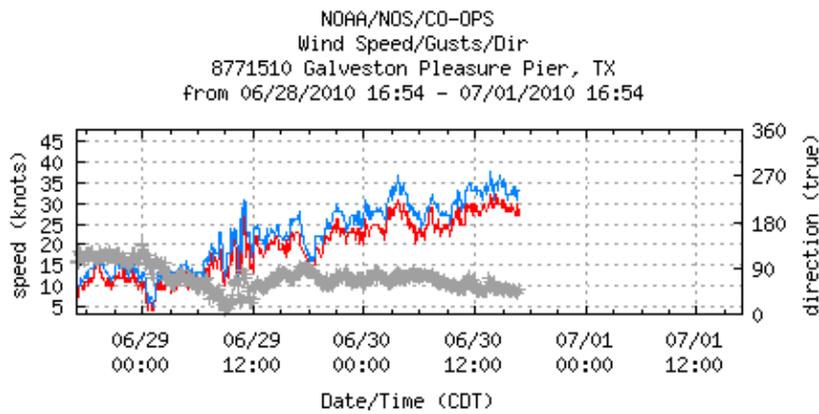


Last Observed Sample: 06/30/2010 16:42 (CDT)

Relative to **MLLW**: **Observed: 3.32 ft. Predicted: 1.11 ft. Residual: 2.21 ft.**

Historical Maximum Water Level: Sep 11 1961, 7.16 ft. above **MHHW**

Galveston Pleasure Pier, TX - [Return to List](#)

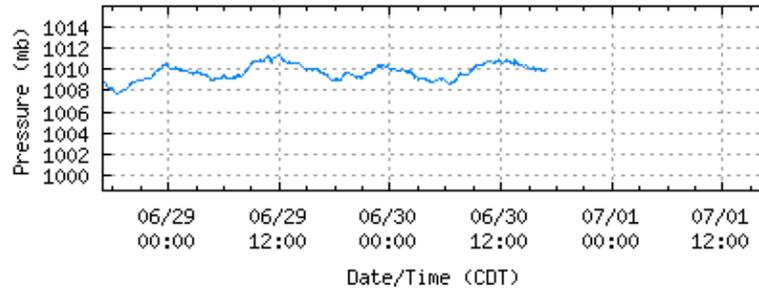


Last Observed Sample: 06/30/2010 16:42 (CDT)

Wind Speed: 27 knots Gusts: 33 knots Direction: 047° T

Galveston Pleasure Pier, TX - [Return to List](#)

NOAA/NOS/CO-OPS
Barometric Pressure Plot
8771510 Galveston Pleasure Pier, TX
from 06/28/2010 16:54 - 07/01/2010 16:54



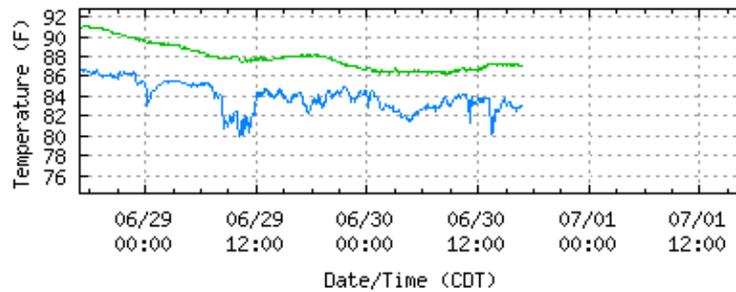
barometric pressure —

Last Observed Sample: 06/30/2010 16:42 (CDT)

Barometric Pressure: 1009.8 mb

Galveston Pleasure Pier, TX - [Return to List](#)

NOAA/NOS/CO-OPS
Air/Water Temperature Plot
8771510 Galveston Pleasure Pier, TX
from 06/28/2010 16:54 - 07/01/2010 16:54

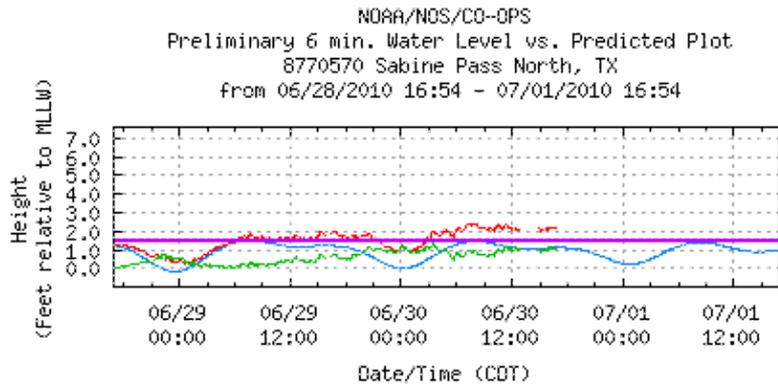


water temp. — air temp. —

Last Observed Sample: 06/30/2010 16:42 (CDT)

Water Temperature: 87.1° F Air Temperature: 83.0° F

Sabine Pass North, TX - [Return to List](#)



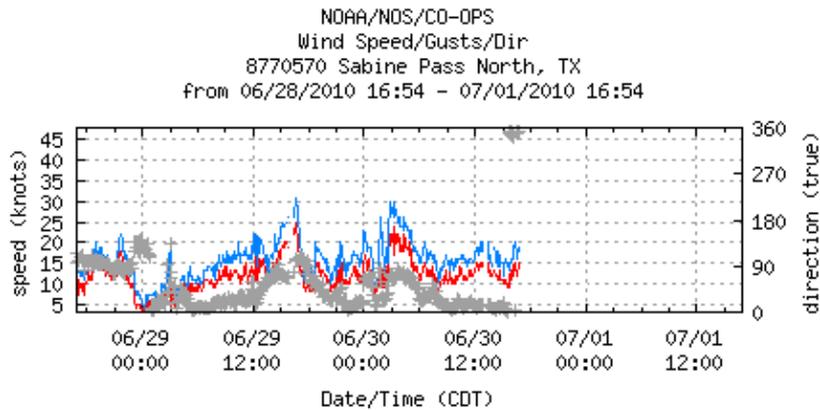
Predicted WL ——— (Obs-Pred) ———
 Observed WL ——— MHHW ———

Last Observed Sample: 06/30/2010 16:42 (CDT)

Relative to **MLLW**: **Observed: 2.13 ft. Predicted: 1.12 ft. Residual: 1.01 ft.**

Historical Maximum Water Level: Sep 11 1998, 3.32 ft. above **MHHW**

Sabine Pass North, TX - [Return to List](#)



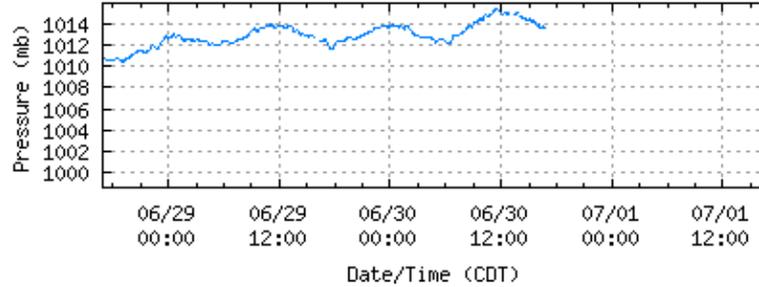
speed ——— gusts ——— direction +

Last Observed Sample: 06/30/2010 16:42 (CDT)

Wind Speed: 15 knots Gusts: 19 knots Direction: 351° T

Sabine Pass North, TX - [Return to List](#)

NOAA/NDS/CO-OPS
Barometric Pressure Plot
8770570 Sabine Pass North, TX
from 06/28/2010 16:54 - 07/01/2010 16:54



barometric pressure —

Last Observed Sample: 06/30/2010 16:42 (CDT)

Barometric Pressure: 1013.5 mb

Sabine Pass North, TX - [Return to List](#)

Last Observed Sample: 06/30/2010 16:42 (CDT)

Water Temperature: 86.7° F Air Temperature: 79.3° F

Hurricane ALEX QuickLook, POSTED 17:00 CDT 06/30/2010

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce